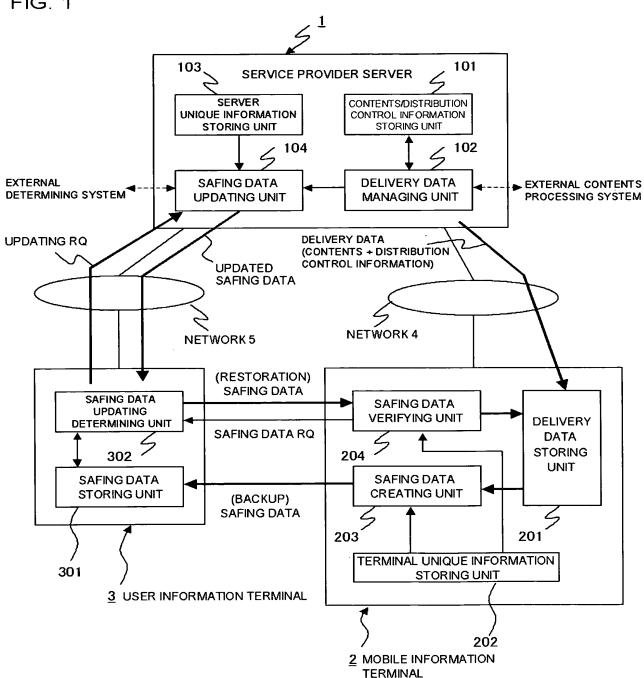
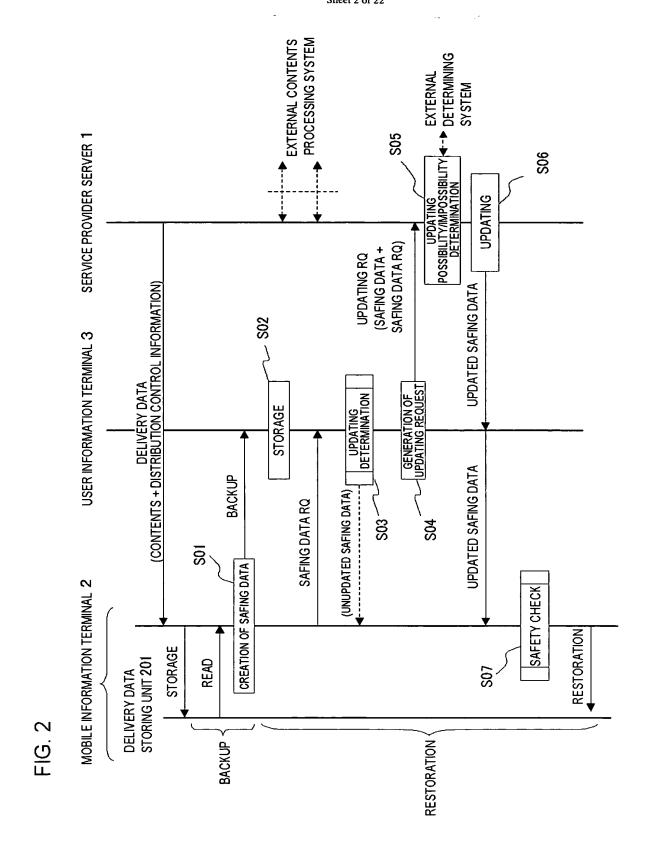
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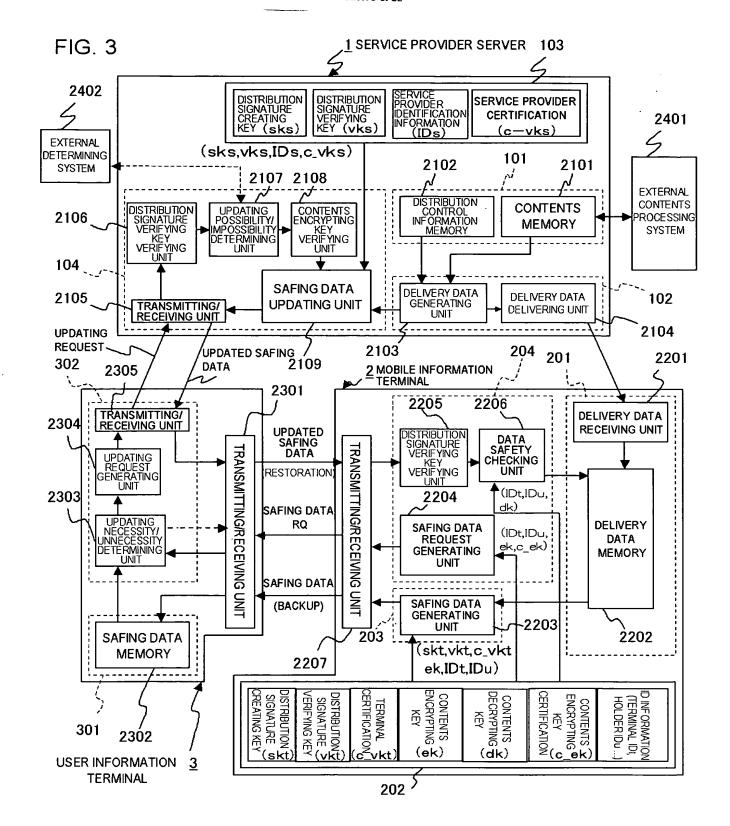
FIG. 1



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FIG. 4

ID INFORMATION (TERMINAL ID: IDt, HOLDER ID: IDu ...)

DISTRIBUTION SIGNATURE CREATING KEY: skt

DISTRIBUTION SIGNATURE VERIFYING KEY: vkt

TERMINAL CERTIFICATION: c_vkt = Cert(IDt + IDu + vkt)

CONTENTS ENCRYPTING KEY: ek

CONTENTS DECRYPTING KEY: dk

CONTENTS ENCRYPTING KEY CERTIFICATION: c_ek=Cert(IDt + IDu+ ek)

TERMINAL
UNIQUE INFORMATION
STORING UNIT 202

FIG. 5

SERVICE PROVIDER ID: IDs

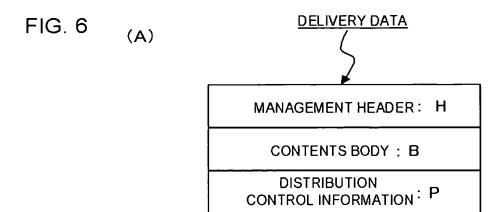
DISTRIBUTION SIGNATURE CREATING KEY: sks

DISTRIBUTION SIGNATURE VERIFYING KEY: Vks

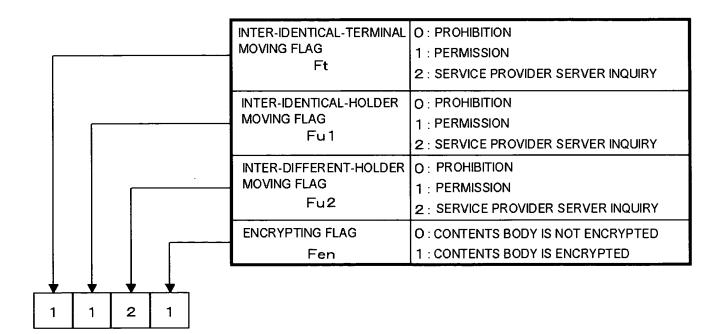
SERVICE PROVIDER CERTIFICATION: c_vks = Cert(IDs + vks)

SERVER
UNIQUE INFORMATION
STORING UNIT 103

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(B)



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FIG. 7

(A) SAFING DATA

TERMINAL ID: IDt

HOLDER ID: IDu

MANAGEMENT HEADER: H

CONTENTS BODY: B

DISTRIBUTION CONTROL INFORMATION: P

DISTRIBUTION SIGNATURE: S1
= Sig[skt(IDt + IDu + H + B + P)]

DISTRIBUTION SIGNATURE VERIFYING KEY: vkt

TERMINAL CERTIFICATION: c_vkt

(B) SAFING DATA DESIGNATED TO BE ENCRYPTED 702

TERMINAL ID : IDt

HOLDER ID: IDu

MANAGEMENT HEADER: H

ENCRYPTED CONTENTS BODY : E = Enc ek(B)

DISTRIBUTION CONTROL INFORMATION: P

DISTRIBUTION SIGNATURE : S2 = Sig[skt(IDt + IDu + H + E + P)]

DISTRIBUTION SIGNATURE VERIFYING KEY: vkt

TERMINAL CERTIFICATION: c_vkt

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FIG. 8

SAFING DATA REQUEST

TERMINAL ID: IDt'

HOLDER ID: IDu'

CONTENTS ENCRYPTING KEY: ek'

CONTENTS ENCRYPTING KEY CERTIFICATION: c_ek'

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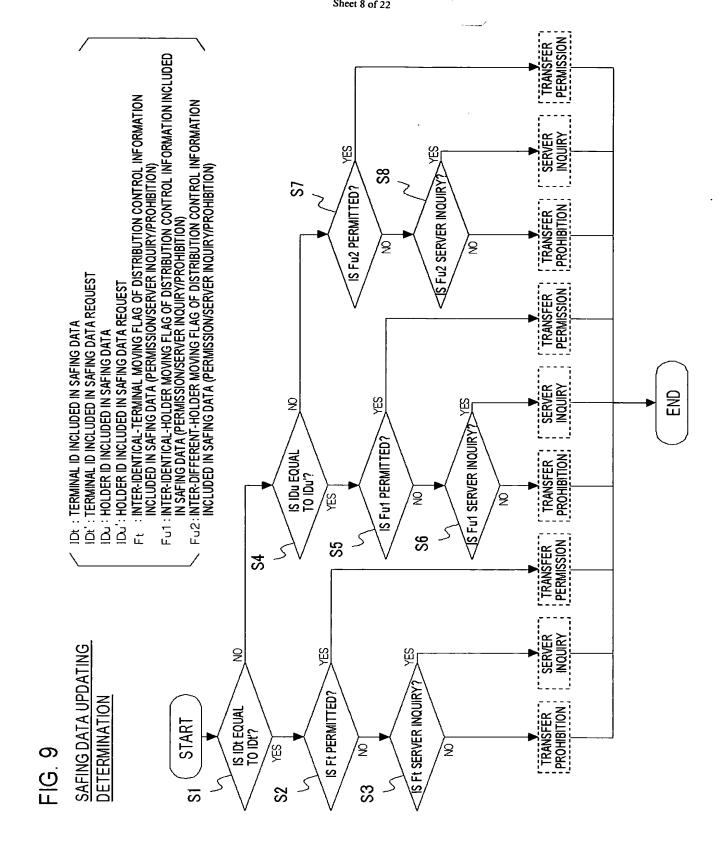
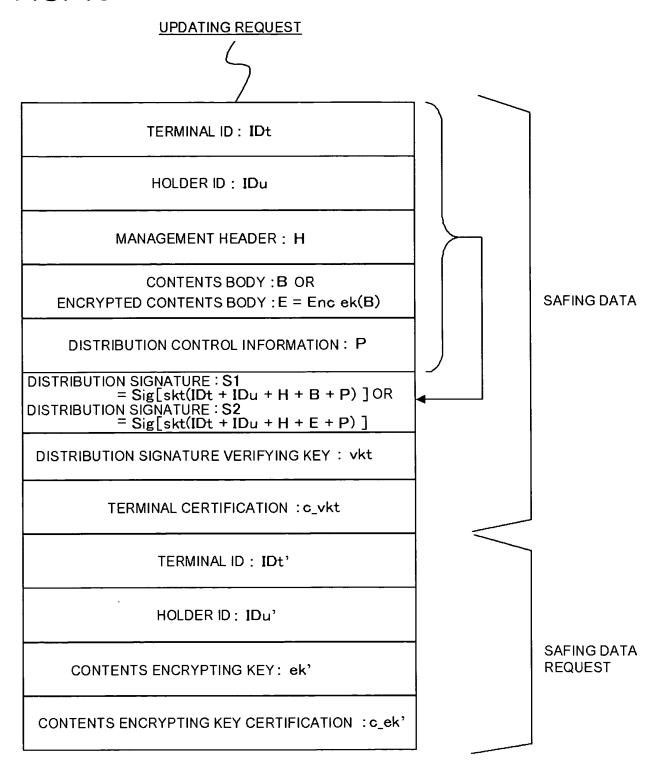


FIG. 10

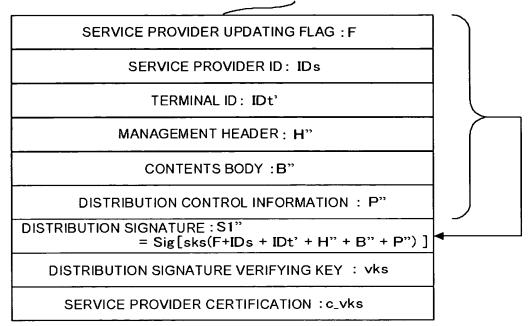


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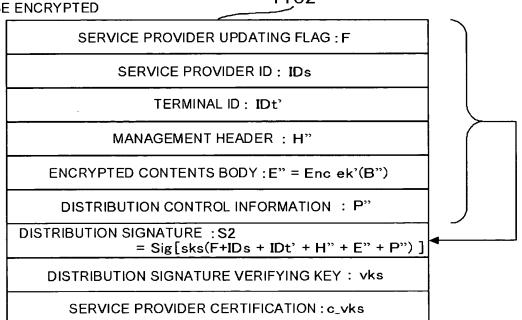
FIG. 11 (A) UPDATED SAFING DATA

1101

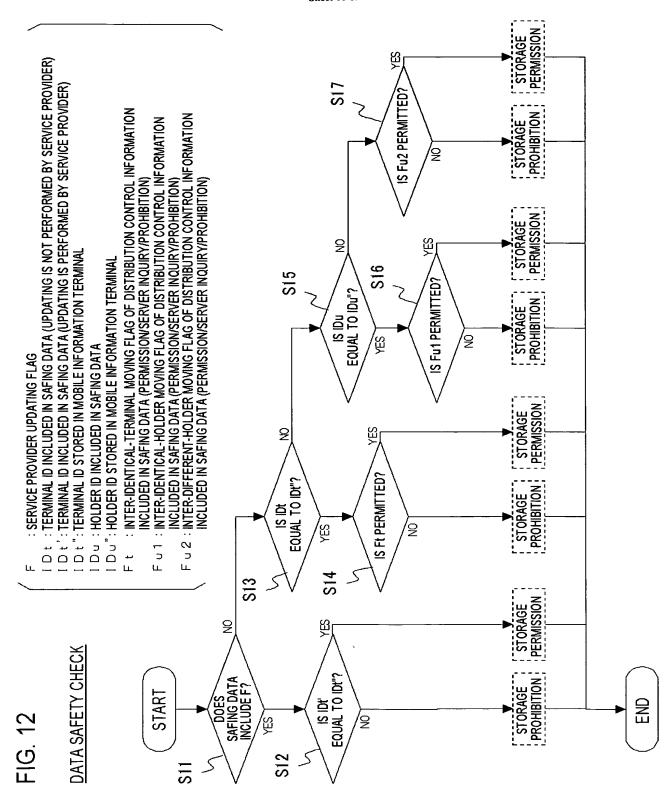


(B) UPDATED SAFING DATA DESIGNATED TO BE ENCRYPTED

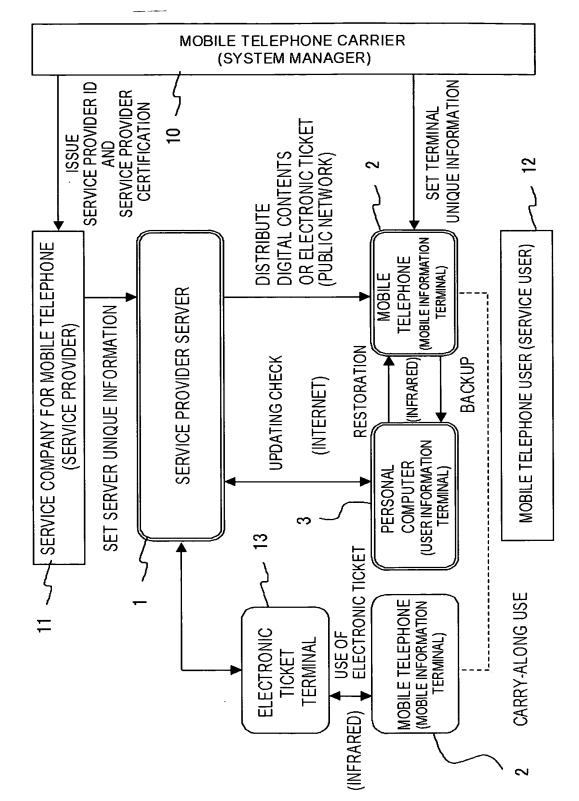
1102



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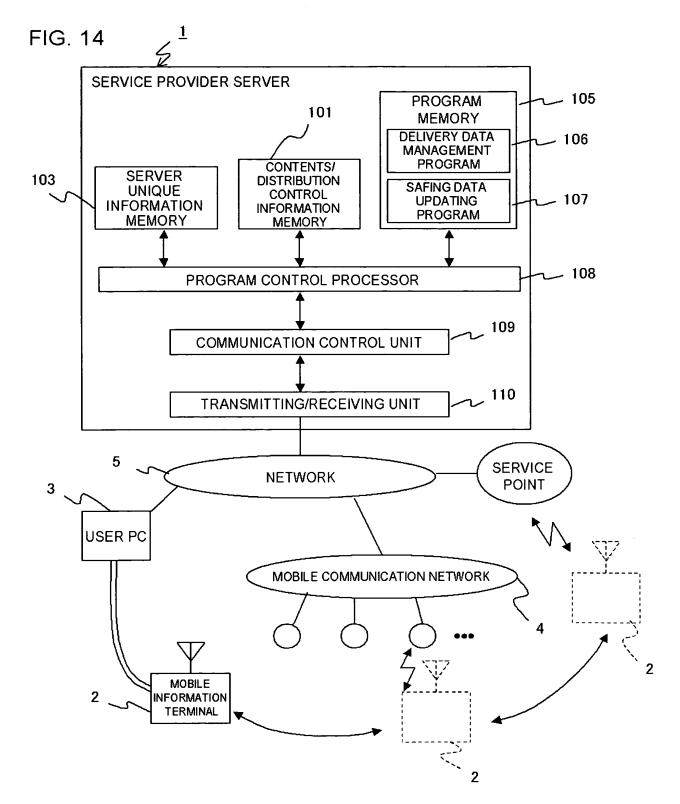


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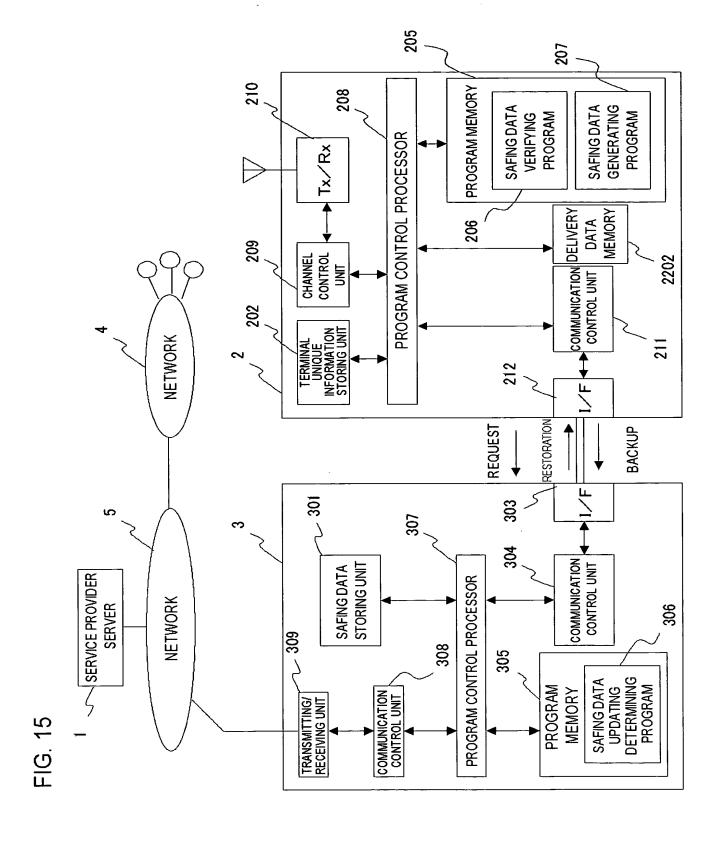
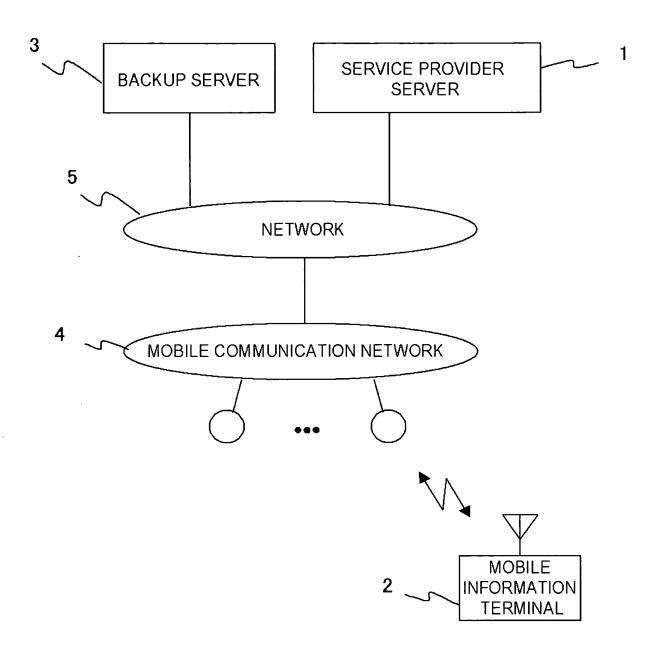
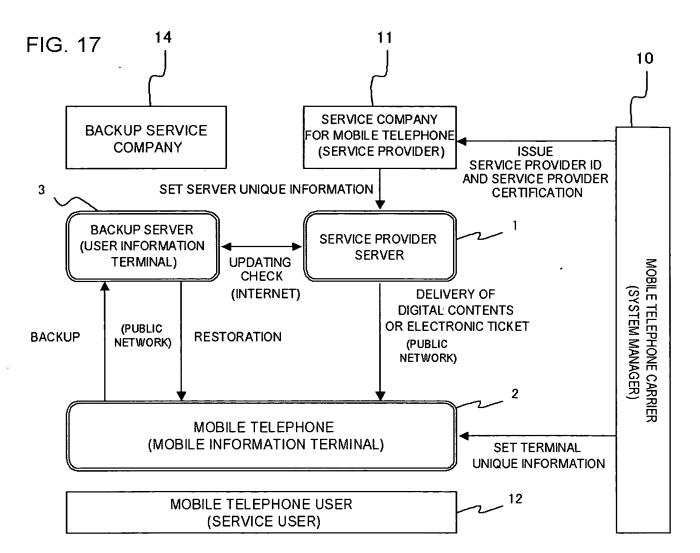


FIG. 16



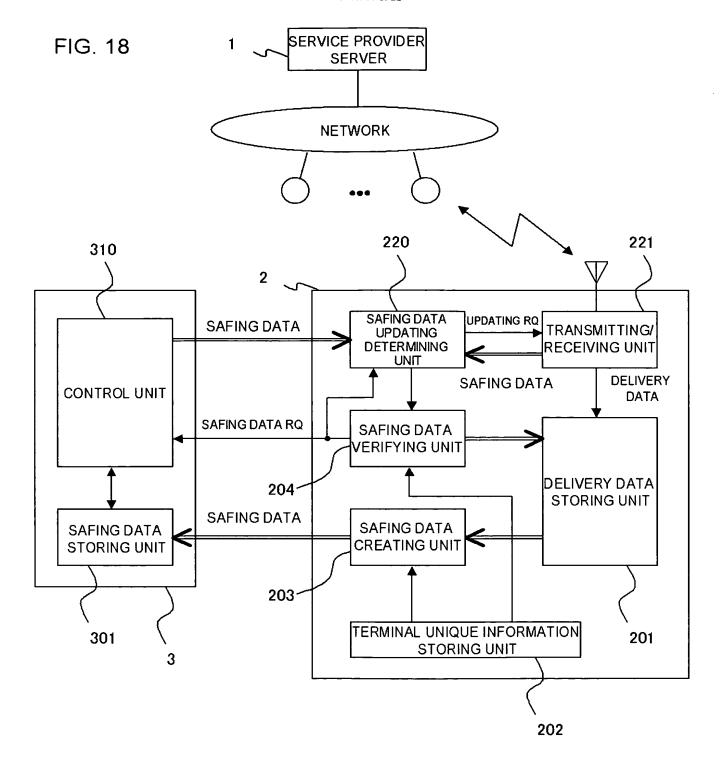
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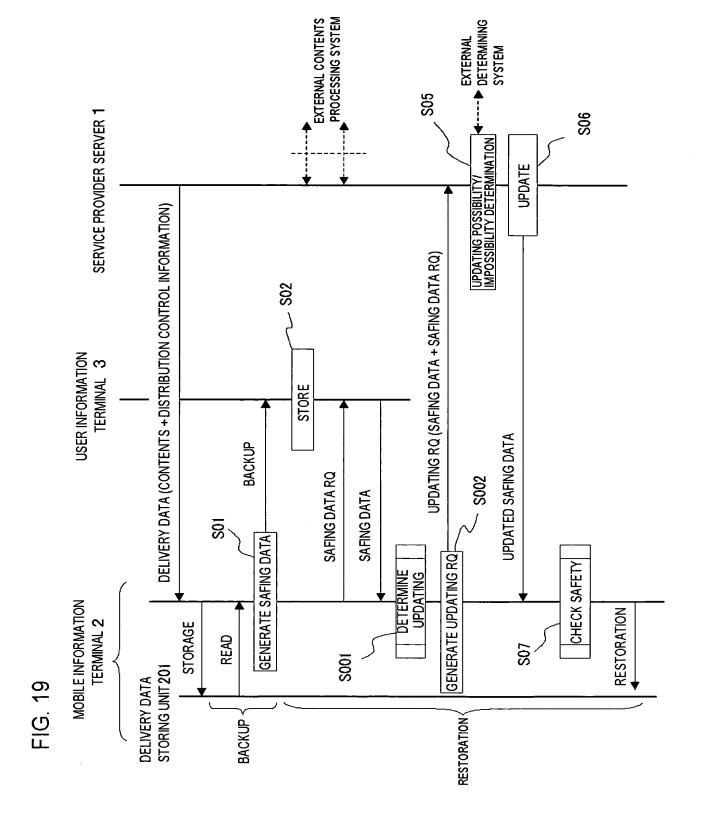


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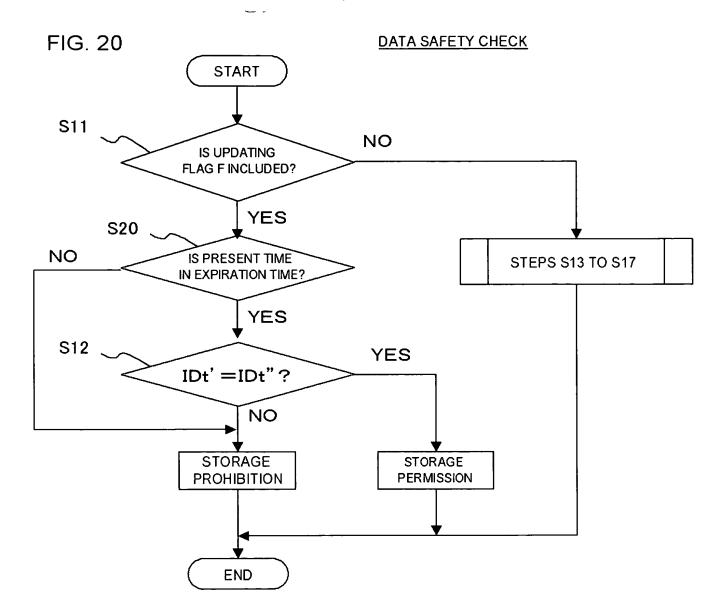
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FIG. 21

SAFING DATA REQUEST

TERMINAL ID: IDt'

HOLDER ID: IDu'

CONTENTS ENCRYPTING KEY: ek'

CONTENTS ENCRYPTING KEY
CERTIFICATION: c_ek'

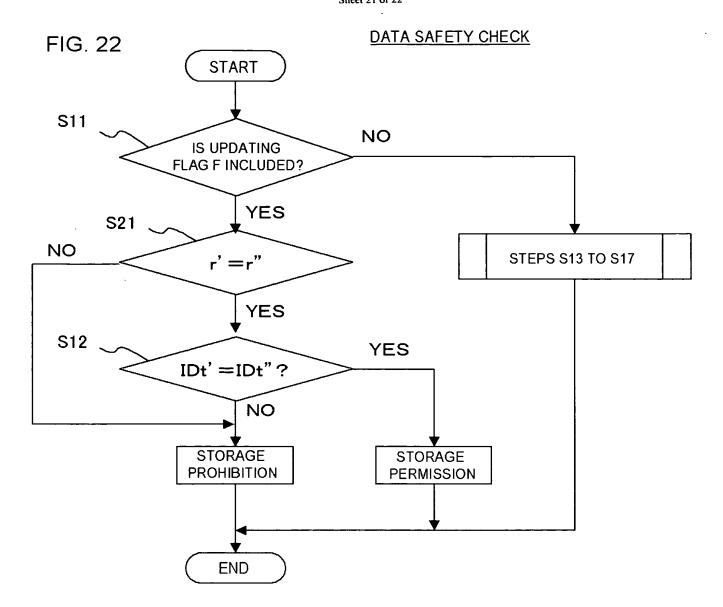
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FIG. 23

```
enum RESULT {restoreDirect, restoreAfterServerUpdate, restoreFobiedden};
RESULT Check(
                            int terminal_id1.
                                                    int terminal id2.
                            int user_id1,
                                                     int user_id2,
{
                   WHEN TERMINAL IDENTIFICATION INFORMATION IS IDENTICAL,
               // RESTORATION IS PERMITTED
               if (terminal_id1 == terminal_id2)
                            return restoreDirect;
               // WHEN RESTORATION DATE IS FEBRUARY 14, 2004, AND WHEN USER ID IS IDENTICAL,
               // RESTORATION IS PERMITTED AFTER SERVER INQUIRY
               char currentDate[9];
               _strdate(currentDate);
               if (strcmp (currentDate, "02/14/04") = 0 && user_id1 == user_id2)
                              return restoreAfterServerUpdate;
               // RESTORATION IS NOT PERMITTED
               return restoreFobidden;
```